Homeland Defense Journal

"He is best secure from dangers who is on his guard even when he seems safe." —Syrus Publilius

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Bush's FY 2003 Budget Proposal: Using Technology to Defend the Homeland

By Steve Kingsley Homeland Defense Journal

Recognizing that the nation's information infrastructure is a source of both great strength and considerable vulnerability, President Bush requested a \$50 billion information technology investment for the next fiscal year. The bulk of this investment would be used

This the final article of a four-part series that examines and explains the Bush administration's homeland security proposal as outlined in the president's 2003 budget proposal.

for expanding e-government, an initiative led by Office of Management and Budget that includes 21 high payoff initiatives targeted to maximize government productivity, eliminate redundant systems and improve government's quality of service over the next two years.

Homeland Security Specifics

Bush's request included \$722 million for developing programs that will more effectively share information and intelligence among government agencies – federal and state. There are two major parts to this information sharing initiative:

• Eliminate "stovepipes" with federal government.

Under the Bush plan, the Department of Commerce would establish an Information Integration Office. The office's top priority would be to design a system allowing interagency information sharing and tracking of suspected terrorists within the United States and around the world. For example, currently there is no way to track when foreign visitors overstay their visas. Under Bush's proposed plan, information technology systems would monitor arrival and departure of non-U.S. citizens.

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Sharing Information Among Law Enforcement Agencies Justice Department Officials Testify on the Hill

By Kelly Kingsley Homeland Defense Journal

Three Justice Department officials testified about information sharing among law enforcement agencies before the Senate Judiciary Subcommittee on Administrative Oversight Wednesday, April 17. Sen. Charles Schumer, D-N.Y., called the hearing to explore whether the Office of Homeland Security has the power and authority necessary to coordinate federal activities.

In his opening remarks, Schumer praised Homeland Security Director Tom Ridge, but said he lacked "the power to carry out his mandate — protecting the American people." Schumer said cultural differences between intelligence and law enforcement agencies hinder proper information sharing.

During his opening statement, ranking republican Sen. Jeff Sessions, R-Ala., called



Robert J. Jordan, head of the FBI's information sharing task force, testifies before the Senate Judiciary Subcommittee on Administrative Oversight.

for better utilization of existing technology systems, especially the National Crime Information Center (NCIC), a criminal database maintained by the FBI and available to local police.

The first witness, Vance Hitch, Department of Justice chief information officer, talked about the need to "upgrade the department's infor-



By Don Dickson Homeland Defense Journal

When we started **Homeland Defense Journal** in January, our goal was — and remains — to create a forum focusing on homeland defense programs, budget, funding, grants, and new initiatives. We wanted to present an informal, open, news journal that would help agencies at all levels of government learn what is happening

within the community.

You're response has been overwhelming! We were thrilled that 9,309 people downloaded our first issue. By the fourth issue in March, that number more than doubled, and as of Friday, April 12, more than 34,000 people downloaded the most recent sixth issue. I hope you continue reading **Homeland Defense Journal**, and I

encourage you to take part in the forum.

We've begun hearing stories about our readers' homeland defense initiatives, and in upcoming issues, you'll be able to read many of their stories. If your agency, office, community or company is implementing a new homeland defense program that would interest **Homeland Defense**Journal readers, share it with our editors at editor@homelanddefensejournal.com.

In this issue, don't miss Michael Paddock's article the Corporation for National and Community Service's plan to spend more than \$11 million to strengthen community efforts in support of homeland security. Paddock is chief executive officer for Grants Office, LLC, and an expert at winning grants.

And, if landing grants is your game, make plans now to attend **Homeland Defense: Grant Opportunities,** Thursday, May 18 at the NRECA Conference Center in Arlington, Va. This conference provides a forum for contractors and state and local entities to learn about federal grants for homeland defense and to meet the agency executives who will set up and administer these funded grant programs.

Sharing Information Among Law Enforcement Agencies

continued from page 1

mation technology and use the information technology as a tool for collaboration among Justice components, between Justice and other federal agencies, and among federal, state and local law enforcement." This would include developing a secure system to share information with state and local governments and integrating the FBI and INS fingerprint databases.

Robert Jordan, head of FBI's information sharing task force, began his testimony by stating, "the FBI is an organization in change." To perform its new counter-terror mission, he said, the FBI is initiating a permanent terrorist watch list, which will be available to law enforcement agencies across the country. The FBI, he said, is also in the process of establishing a joint terrorism task force in

each of its 56 field offices. Jordan described the task force initiative as "one of the most effective methods of unifying federal, state and local law enforcement efforts to prevent and investigate terrorist activity."

The final witness, Scott Hastings, associate commissioner at INS's Office of Information R e s o u r c e Management, said, "Immigration and Naturalization Service is clearly one of the core

agencies that will require enhanced information sharing capabilities." Hastings described some actions undertaken by INS, including integrating information from outside-agency databases into their own IDENT system and establishing the foreign terrorist tracking task force, "to keep foreign terrorists and their supporters out of the United States."

Under questioning from Schumer and Sessions, the panelists recognized two loopholes in the current information sharing systems that potential terrorists could use to their advantage. The first is in regard to foreign nationals who have overstayed their visas and remain in the country illegally. That information is not available in national criminal databases. Currently only information on "absconders" — foreigners who have had formal deportation hearings and have not left the country — is included in the databases such as the NCIC.

The second loophole involves "visa waivers" agreements that the United States has signed with 28 countries that allow citizens of those counties to enter the United States without going through the normal process of applying for a visa with the State Department. Richard Reid, the man who attempted to ignite a bomb in his shoes aboard a plane bound for the United States, was able to use a visa waiver because he held a British passport.

HOMELAND DEFENSE JOURNAL PRESENTS: RESEARCH & DEVELOPMENT LAB DIRECTORY

The next issue of **Homeland Defense Journal** will include a homeland defense lab directory.

"This is an information resource for both government and industry," said Don Dickson, **Homeland Defense Journal** publisher. The directory will contain valuable information, including contact information, for public and private labs used for integration, testing, research and development.

To include your lab in the directory, submit the following information to editor@homelanddefensejournal.com before *Tuesday*, *April 30*.

Name of government entity or company:

Mailing Address:

Web site:

Mission (50 words or less):

Current partners:

Contact name and title:

Phone number:

Getting the Word out Quickly

First responders demand quick responses; e-learning facilitates quick, two-sided communication

By Marianne Dunn Homeland Defense Journal

Lisa Neal, editor in chief of Web-based eLearn Magazine and managing consultant at EDS Digital Learning in Plano, Texas, taught her first online course seven years ago. At the time, she was working for EDS. The company was growing globally, travel costs were increasing, managers didn't want to lose employees for days and employees didn't want to venture far from their families. Rather than spend enormous amounts of money on business trips employees didn't want to take, EDS opted for e-learning.

"It wasn't the most sophisticated technology," said Neal, "but the reaction was very positive." E-learning courses were delivered to employees at a pace and place of their convenience.

Players in the homeland defense arena, she said, face the same challenges EDS dealt with back in 1995. Plus, they have the added challenge of delivering information immediately.

"E-learning has the rapid capability to get information out and available," said Neal. For example, during the anthrax scare in the fall, she said the Centers for Disease Control and Prevention in Atlanta aired Webcasts targeted to healthcare providers that featured the nation's leading experts who discussed detection and

answered questions submitted electronically by viewers. "People so badly needed information, and through e-learning technology the CDC delivered it. That was a real value."

And now, she said, other areas of government should consider the possibilities of e-learning. There are many opportunities for rapid training for security personnel and for citizens.

"If you have an emergency and you need to inform people how to act and what to do, this would be essential," said Neal. "Many people rely on the Web for information, but the government needs to make sure that accurate information is available quickly and that it is clear what the source is."

Chief Randy Corbin, a 30-year veteran of the fire service and now serving as vice president of the fire group at Primedia Workplace Learning in Carrollton, Texas, said e-learning could play a crucial role in communicating with the nation's first responders.

"First responders are this country's first line of defense," he said. "The timeliness of e-learning, in that it can be updated and issued immediately in remote areas all over the country, makes it an extremely valuable tool."

Through e-learning, he said first responders could learn how to better prepare themselves when responding to a call. For example,

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Key Considerations in Developing an Effective Emergency Response Training Program

Manuel Miranda, vice president of training and simulation at Centreville, Va.-based UNITECH, Inc., offered these key considerations for developing an effective emergency response training program:

- 1. Before selecting training delivery methods and technologies, conduct a comprehensive needs analysis. While this will necessitate time and resource commitments, the more that participants' needs are integrated into the training program, the more effective it will be.
- 2. Include representatives of as many organizations as possible in the training program, such as state and local emergency responders, government officials, National Guard units and representatives from the Federal Emergency Management Associations, FBI and Department of Defense. This will help participants better understand each other's roles and learn how to effectively coordinate efforts.

- 3. Scenario-based simulation exercises that entrench teams in real-life situations through virtual interaction have proven successful in emergency response training, including for such organizations as the Iowa Army National Guard.
- 4. To meet the logistical challenges of conducting statewide training, consider using advanced distributed learning technologies. Computer- or Web-based training saves money and training can take place anytime and anywhere.
- 5. As tempting as it may be to purchase an off-the-shelf, Web-based training program, the most effective ones are tailored to user needs and can spontaneously be updated to reflect real-world conditions and transmit real-time information to participants.
- 6. Upon completing a training program, participants should be able to review and evaluate the decisions they made, so that they can critique

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Getting the Word out Quickly

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he said, the fire department could get a call to a building explosion - a routine call prior to Sept. 11.

Now, he said, first responders have many questions to consider on their way to the scene: Is there radiation? Was it a dirty bomb? Is that bomb just a sucker punch to lure first responders to the scene until another device explodes?

"Training through e-learning is learning through other people's experiences," he said. "E-learning is ideal because a millisecond after I send information, other people pick it up."

But, he cautioned, there are still some issues to consider before launching a nationwide first responder e-learning initiative.

"It has to be done in a way that is secure enough that only people who can be verified as first responders can access it," he said. "If you show the bad guys your hand, you give them the opportunity to thwart it."

He suggested creating a new level of information that would not threaten national security if it fell into the wrong hands, but would enhance the safety and survivability of the first responders.

"I'm not saying we throw open the doors on all national security issues – that wouldn't work. But there has to be a creation of communication to America's first responders," he said. "If there is an attack – a Satan bug or a chemical attack – the sooner we realize what is going on, the sooner we can thwart the bad guys. If we have to stumble through it and the light doesn't go on until the next day that it was a terrorist attack, then we are going to lose first responders."

At a Glance: E-learning at eArmyU

By making e-learning readily available, Lisa Neal, editor in chief of online eLearn Magazine and managing consultant at EDS Digital Learning in Plano, Texas, said the armed forces are playing a lead role in introducing soldiers to e-learning.

The U.S. Army's eArmyU, developed by PwC Consulting, a business of PricewaterhouseCoopers, is an e-learning portal that delivers comprehensive higher education online to enlisted soldiers.

Total enrollment: More than 15,000

Courses offered: 4,000

Degrees offered: 90 degree programs including associate,

bachelor's and master's degrees

Academic institutions: 23 colleges, universities and technical schools

Time of operation: 16 months

Projected enrollment

for next year: 30,000

Projected enrollment

by 2005: 80,000

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Overseas Opportunities: More than 1,000 enrolled soldier-

students are serving in 15 countries

Bush's FY 2003 Budget Proposal: Using Technology to Defend the Homeland

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Congress seems supportive of such a system and would likely provide funding and authorization for its development. Legislators on Capitol Hill are paying close attention to foreign students, and legislation authorizing a system for improved tracking of foreign students in this country is pending.

• Share homeland security information with state and local governments and appropriate private sector entities.

The president called for IT systems that would allow federal, state and local agencies to work together seamlessly in preventing terrorist attacks and responding to crisis.

To assist in this effort, the Office of Homeland Security developed a uniform national threat advisory system to alert government officials of terrorist threats. Funding is proposed in the budget for development and implementation of secure information systems for dissemination of critical homeland

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Cyber Security: Protecting our Information Infrastructure

An important provision of the Bush plan is to provide funding for systems and plans for the protection of America's critical information systems. In October 2001, the president established the President's Critical Infrastructure Protection Board, which is charged

with streamlining initiatives and addressing emergency planning. The office encourages government-industry partnerships to develop a comprehensive strategy to protect critical infrastructure. Richard Clarke was appointed chairman of the board and also serves as special adviser to the president for cyber security. Among the key components of this strategy are:

- National Infrastructure Protection Center (NIPC)
 \$125 million is proposed to fund the NIPC, which is located within the FBI. The NIPC is the central cyber space threat response center.
- Cyberspace Warning Intelligence Network

The Cyberspace Warning Intelligence Network would be created with a \$30 million request. This network would link key personnel in the government and private sector in the event of a cyberspace crisis.

• Priority Wireless Access

This \$60 million program would give authorized users priority access to cellular phone system in a crisis.

• GovNet Feasibility Study

The president requested \$5 million for a study that would lead to development for a government network that protects critical government functions against external attack.

• Cybercorps Scholarships

The president requested \$11 million for scholarships to encourage students to become government high-tech computer security professionals. The National Science Foundation and the Office of Personnel Management would manage this program.

What They're Saying on the Hill

By Kelly Kingsley Homeland Defense Journal

Homeland Defense Journal tapped into the database of its partner, Market*Access International, to compile these highlights from recent Capitol Hill testimony pertaining to homeland defense.

Thomas Van Essen,
Former New York City Fire
Commissioner, Representing the
International Association of Fire Chiefs
Before the U.S. Senate Appropriations
Committee Thursday, April 11, 2002

Thomas Van
Essen spoke about
issues affecting
firefighters as they
fulfill their role as
first responders to
national emergencies. He expressed
concern about the
Administration's
budget proposal
and asked that the
FIRE Act grant



Sen. Robert Byrd, D-W. Va., greets Thomas Van Essen, Former New York City Fire Commissioner, Representing the International Association of Fire Chiefs.

program continue and remain separate from the proposed terrorism preparedness block grant program.

His other chief priority was passage of the Staffing for Adequate Fire and Emergency Response Act. He supported this legislation with the goal of adding 75,000 U.S. firefighters to departments across the country.

Dr. Everet H. Beckner,
Deputy Administrator
for Defense Programs National
Nuclear Security Administration
Before the U.S. Senate Armed Services
Committee
Wednesday, April 10, 2002

Dr. Everet H. Beckner discussed the president's fiscal year 2003 budget request for the National Nuclear Security Administration (NNSA). The budget request for defense programs weapons activities totaled \$5.11 billion, a \$305 million increase from the FY

2002 enacted appropriation, which included a \$25 million supplemental appropriation for Secure Transportation Asset.

Beckner said the FY 2003 budget request for directed stockpile work is \$1.2 billion, an increase of \$190 million, or about 18 percent more than last year. He also noted \$2.1 billion is requested for the 16 scientific and engineering campaigns that provide the knowledge,

technologies and capabilities to address current and future stockpile issues.

According to Beckner, the FY 2003 budget request supports the NNSA industrial base through a request of \$1.7 billion for readiness in technical base and facilities and a 10 percent increase supporting the operations of weapons complex facilities. In addition, the NNSA has requested \$243 million for the Facilities and Infrastructure

Recapitalization Program to continue into its third year.

By direction of the Nuclear Weapons Council, and in response to an Air Force requirement, the initial focus of the Advanced Concepts Program will be the Robust Nuclear Earth Penetrator, for which \$15.5 million is requested in FY 2003 as part of the directed stockpile research and development activity.

He also talked about the Advanced Simulation and Computing (ASCI) Campaign, which is developing the simulation capabilities that incorporate high-fidelity scientific models validated against experimental results, past tests and theory. The FY 2003 budget request for the ASCI is \$725 million.

Beckner also addressed the High Energy Density Physics (HEDP) Campaign, which advances U.S. capabilities to achieve high-energy-density physics conditions. The campaign would support the Stockpile Stewardship Program science and engineering requirements. The FY 2003 budget request for HEDP is \$452 million.

Michigan Gov. John Engler, Chairman of the National Governors Association Before the U.S. Senate Appropriations Committee Wednesday, April 10, 2002



Michigan Gov. John Engler told the committee that states have borne unprecedented costs to ensure that the nation's critical infrastructure and protect

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Contact: Stephen Sill at Stephen.Sill@tasc.dot.gov

What They're Saying on the Hill

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citizens from terrorist attacks. These costs involve:

- building up the nation's public health system to respond to and recover from a biological, chemical or other attack using weapons of mass destruction
- developing an interoperable communications system
- securing the critical infrastructure for airports, border crossings, water supply, pharmaceutical labs, bridges and tunnels
- securing and protecting crops and food supplies vital to the health and safety of citizens.

Engler said the National Governors Association estimates the first-year costs alone could reach \$5 billion to \$7 billion nationwide, with \$3 billion of this cost devoted to bioterrorism preparedness and emergency communication and \$1 billion devoted to guarding critical infrastructure. Public state governments, he noted, conduct a range of disease surveillance and detection

activities necessary for identifying public health threats quickly. States will receive more than \$1 billion in fiscal year 2002 to begin developing comprehensive statewide and regional plans for responding to public health threats.

Engler also said that the current focus on security has elevated the demand for public safety communications and information sharing needs in emergencies. Interoperability of equipment between first responders — fire, police, emergency medical workers, and lab teams — with and between state and local police, across county and city jurisdictions, and with federal enforcement officials should be a priority.

Richard Clarke, White House Special Adviser for Cyberspace Security

Before U.S. Senate Judiciary subcommittee on Administrative Oversight and the Courts

Wednesday, Feb. 13, 2002

Richard Clarke, White House special

adviser for cyberspace security, discussed the status of cyberspace security in the United States. Clarke outlined 10 programs that have been implemented or adjusted in the past 90 days by the Critical Infrastructure Board, which is composed of 10 operating committees and 23 federal agencies:

- A national strategy for cyber security, in accordance with the private sector and the academic community, will be formulated through an open, transparent process. The result will be a living document that can change as rapidly as Internet technology.
- The president's proposed FY-2003 budget now includes a dramatic 64 percent increase, or about \$4 billion, for network security.
- A fundamental change of thinking has occurred within IT firms to alter products to give more attention to security.
- Security of IT Internet services has also improved.
- Due to the Critical Infrastructure Board, bureaucracies are coordinated better and are working together more closely.
- Implementation of a "Cybercorps," or IT security scholarships, granted by the government. These scholarships support students working toward bachelor's or master's degree in IT security. For every year of scholarship granted, one year of service in the federal government is required.
- A cyber intelligence warning network was implemented to bring to light extraordinary and specific vulnerabilities in the cyber system.
 This information is shared between the public and private sector.
- More than 150 private IT companies are working together to enhance cyber security.
- A modeling and simulation center

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What They're Saying on the Hill

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was implemented to plan reactions to attacks on the cyber system and failure of cyber security.

• A cyberspace security public campaign to educate, warn and prevent the public from cyberspace attacks is underway. IT firms including AOL, Cisco, and Microsoft, are contributing.

Commissioner
James W. Ziglar,
U.S. Immigration and
Naturalization Service
Before the U.S House of
Representatives



Judiciary Committee Tuesday, April 9, 2002

Commissioner James W. Ziglar spoke to the committee on reforming and restructuring the Immigration and Naturalization Service (INS). He said the agency has experienced explosive growth over the past several years, growing at an annual rate of more than

10 percent to 20 percent, including a doubling in the size of its workforce since 1994. In the past eight years, more people have applied for naturalization than in the previous 40 years combined.

He noted that the Administration's restructuring proposal and H.R. 3231 share important common goals — both plans recognize the importance of separating enforcement and services, and both recognize that some functions, such as that of a chief financial officer, are better performed reporting directly to agency leadership, rather than within one of the two bureaus.

He said the INS restructuring plan, which is a fundamental reform that splits service and enforcement into two bureaus, will clarify and streamline the chain of command at INS and increase accountability. Ziglar noted that restructuring INS is designed to address key problems identified by members of Congress and the public. Two of the interrelated crit-

icisms are that the current INS structure incorporates a mixed mission and that the agency lacks clear chains of command. In response to those and other criticisms, the INS is in the process of:

- Establishing a direct reporting relationship from chief patrol agents in the field to the border patrol chief in headquarters;
- Establishing an Office of Juvenile Affairs
- Advertising for the position of chief information officer
- Advertising for the position of chief financial officer
- Planning a Headquarters Detention and Removal Program to oversee facility management, care of detainees, management of detention standards and bed space allocations at all INS-owned and operated service processing facilities
- Realigning reporting relationships in the adjudication arena

Federal Government to Triple Information Security Spending

U.S. federal government spending on information security systems and services will increase at a compound annual growth rate of 25 percent from \$1.3 billion in fiscal year 2001 to more than \$4.1 billion in FY 2006, according to a report released by INPUT, a Chantilly, Va.-based sales, marketing and complex procurement resource for technology vendors to government and business.

"The terrorist attacks on September 11th have added a sense of urgency to an already serious situation in which many agencies were receiving unsatisfactory scores in federal security reviews," said Payton Smith, manager of public sector market analysis services at INPUT. "Federal agencies must respond to administrative pressure tying program funding to demonstrated security performance."

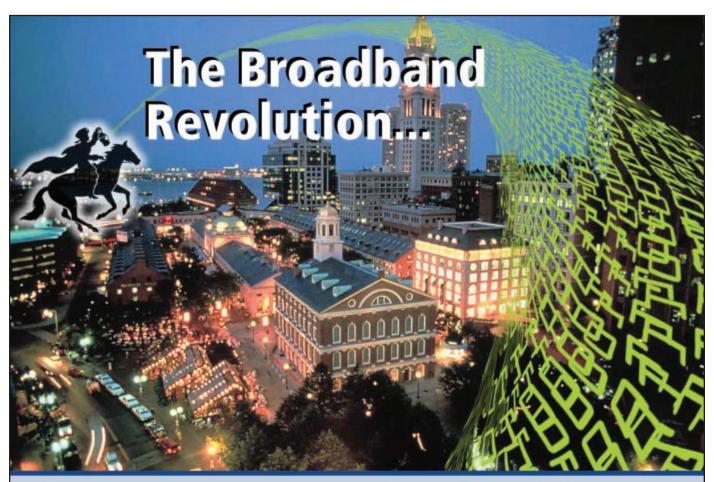
According to the report, spending on information security systems and services

would be highest among the agencies of the Department of Defense, exceeding \$2.1 billion by FY 2006 due to efforts to secure and enhance the military command and control infrastructure.

The report shows that growth in federal spending for information security will be

most significant in fiscal years 2002 and 2003. Smith explained, "As federal agencies satisfy their immediate security requirements, INPUT expects that security spending will revert to a growth rate that is more in line with overall federal spending for information technology."





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- Over-the-horizon opportunity identification
- Grant tracking
- The role of agency technology evaluation teams
- Following Capitol Hill
- Watching the legislative calendar
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This seminar covers the government procurement cycle, including the provisions of the Truth in Negotiations Act, and contractor responsibilities

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On the Horizon: Corporation for National and Community Service Funding

By Michael Paddock For Homeland Defense Journal

The Corporation for National and Community Service announced that it plans to spend more than \$11 million in fiscal 2002 to strengthen community efforts in support of homeland security. Those efforts include programs that support public safety, public health and disaster preparedness and relief. The grants, which total \$11.4 million, fall into three areas:

- AmeriCorps State and National Competitive Programs (\$5 million)
- Special Volunteers Programs (\$5 million)
- Retired and Senior Volunteer Program/RSVP (\$1.4 million)

Public safety grants would help AmeriCorps members, senior volunteers, students, and other community members support police departments, fire departments and other local agencies, such as rescue units and parks and recreation departments. With these grants, volunteers perform administrative tasks and other supportive functions that can be performed by nonsworn officers, which will free up local personnel to meet their front-line responsibilities.

Public health grants would fund AmeriCorps members, senior volunteers, students, and others who support public health agencies in outreach and information dissemination and administrative support.

In the area of disaster relief and preparedness, AmeriCorps members, senior volunteers, students, and others would perform

ADDITIONAL FUNDING ANNOUNCEMENT

Redirecting funds to homeland security

The Corporation for National and Community Service announced that organizations that currently receive its grants or federal program assistance and use service and volunteering as a strategy to meet community needs may redirect program activities to support homeland security. For more information, contact:

Nancy Talbot, Special Volunteer Programs (202) 606-5000, extension 470 ntalbot@cns.gov

Peter Heinaru, AmeriCorps*State and National (202) 606-5000, extension 302 pheinaru@cns.gov

John Keller, Retired and Senior Volunteer Corps (202) 606-5000, extension 554 jkeller@cns.gov

a wide variety of activities that support immediate and longterm recovery efforts, as well as preparedness and mitigation. The grants would allow these volunteers to run emergency shelters, help law enforcement. provide food and shelter, manage donations. assess and repair damage, and help rebuild families and communities. Members and volunteers may also support disaster preparation and mitigation activities.

In general, activities must fall within these three areas and relate to homeland security and current challenges that communities face. A grant may support programs that:

- Organize communities to identify and respond to crime and disorder problems through existing community organizations, law enforcement, schools, institutions of higher education and the business community. Programs may conduct needs assessments and identify resources to support improvements, such as the creation of Neighborhood Watch programs.
- Mobilize volunteers to assist police and fire departments and other agencies involved in public security.
- Provide support for professional or volunteer fire departments, including a range of administrative duties, fire prevention and outreach, public education and emergency response.
- Organize, conduct and support community-based immunization programs related to public health concerns.
- Expand health services and support those already available through local public health clinics.
- Address public health concerns, particularly bio-terrorism, and provide resources to the community through door-todoor contact, school-based meetings, community meetings and other means.
- Develop materials, identify resources, and educate the public through a variety of means to build awareness of and readiness for both natural disasters and intentional criminal/terrorist attacks.
- Provide immediate support to relief agencies responding to a disaster. Services may include relief of rescue workers, search and rescue, first aid, coordination of emergency supplies, and establishment of communication links for relief workers.
- Support long-term recovery efforts associated with the impact of disasters.
- Support disaster preparedness or mitigation.
- Identify community assets to respond to disasters and identify improvements that are needed for effective response.
- Recruit community volunteers with specific expertise to support homeland security. For example, retired people who worked in the fields of public safety, public health or emergency preparedness
- Expand the capacity of nonprofit organizations and schools to support homeland security, such as the initiation of volunteer programs.
- Mobilize volunteers to support homeland security activities on a community wide and/or statewide basis.

Applications for all categories must arrive at the Corporation no later than 5 p.m., Eastern Time, Wednesday, May 8, 2002.

Michael Paddock is the chief executive officer for Grants Office, LLC. Contact him at: mpaddock@grantsoffice.com or visit www. Grantsoffice.com

Help Wanted: Military Seeks Creative Minds

By Linda D. Kozaryn American Forces Press Service

WASHINGTON, April 10, 2002 — It's not necessarily a bad thing if your thinking is somewhat different from your peers and superiors. You might be one of the creative minds America's

armed forces need, according to Deputy Defense Secretary Paul D. Wolfowitz.

Future success depends on flexible, innovative people with vision, Wolfowitz told members of the Senate Armed Service Committee Tuesday, April 9. During the 20th century, he pointed out, creative Americans developed amphibious warfare, aircraft carriers, stealth and nuclear-powered submarines.

"Great names like Billy Mitchell and Hyman Rickover are associated with such developments," he said. It's no secret that large organizations sometimes have a hard time adjusting to innovators' unconventional ways, he added, but even less iconoclastic officers also had difficulties when they clashed with "perceived wisdom."

"Between the wars," Wolfowitz noted, "one infantry officer began writing about the future of armored warfare, only to have his commander tell him that if he published anything contrary to 'solid infantry doctrine,' it would mean court martial. The commander even tried to scuttle the officer's career. It took the intervention of [Gen. John] Pershing's chief of staff to put the soldier's career on a new path. That officer, so interested in the future of armored warfare, was Dwight Eisenhower."

He said the Defense Department's goal "is to encourage all

the potential Eisenhowers who are thinking about war of the future ... We need to accelerate the development of a culture that supports the sort of innovation, flexibility and vision that can truly transform the face of battle."

Today's armed forces are more receptive to innovation and innovators, the deputy secretary said. He cited the way Army Gen. Tommy Franks has experimented in Afghanistan. The Central Command chief has demonstrated "an openness to change — an openness that is helping us win the war and transform the military.

"But, it will always be a challenge for a large institution like the Defense Department to encourage innovation while, at the same time, allowing the

organization to continue getting its job done," Wolfowitz said. "We have to work constantly to encourage that creative tension."



Deputy Secretary of Defense Paul Wolfowitz

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Homeland Defense Journal was created as a forum for the useful flow of information between the private and public sectors that will positively influence and hasten the development of solutions to homeland security requirements.

We invite government employees at every level of government, military personnel, and industry leaders to use this paper as a voice. **Homeland Defense Journal** highlights strides made within the homeland defense community.

If you're in government, describe new initiatives your department or agency is working on. If you're in an industry providing homeland defense solutions, get the word out about your projects and programs that are securing the homeland. Below are some topics we're featuring in upcoming issues.

Write to editor@homelanddefensejournal.com if you are interested contributing and article or would like a copy of our writer's guidelines.

Editorial Calendar			
Issue Date	Торіс	Deadline	
May 7	Research and Development	April 26	
May 21	Transportation Security	May 10	
June 4	Information Systems	May 24	
June 18	Physical Security	June 7	
July 2	Federal Grants Opportunities	June 21	

Agency Cooperation Vital in Counterterrorism Technology Advances

By Sgt. 1st Class Kathleen T. Rhem, USA American Forces Press Service

WASHINGTON, April 11, 2002 — One of the America's greatest strengths is the ability to develop and deliver new, effective technologies to the battlefield, but experts in various agencies need to coordinate their efforts better, Sen. Mary Landrieu, D-La., said Wednesday, April 10.

A member of the Senate Armed Services Committee, Landrieu chaired an Emerging Threats and Capabilities Subcommittee hearing on uses of technology in homeland security. She and other subcommittee members heard testimony from several Department of Defense experts on science and technology.

"This complex homeland-security mission involves military and civilian agencies at the federal, state and local level and is now, in many large and small ways, a great challenge to the way that we have traditionally been organized," Landrieu said in opening the hearing. "It was not even easy to coordinate that among the Defense Department, but now homeland security gives us even greater challenges."

Ronald Sega, director of defense research and engineering, told the committee DoD's goal is to have 3 percent of its fiscal 2003 budget allotted for science and technology issues. The president's current fiscal 2003 budget request would allot about 2.6 percent.

Sega said DoD approaches science and technology "in an integrated way." Research is coordinated across the



Sen. Mary Landrieu, D-La., chaired a hearing on the uses of technology in homeland defense.

services and defense agencies and also reaches out to universities and large and small businesses, he said.

DoD convened the Combating Terrorism Technology Task Force Wednesday, Sept. 19, 2001, drawing representatives from each service, the Joint Staff, and defense agencies with respon-

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Agency Cooperation Vital in Couterterrorism Technology Advances

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sibilities in research and counter-terrorism. Two days after that first meeting, the task force had identified 150 technologies that were good candidates for use by the military, Sega explained. Three were chosen for accelerated fielding.

One of those was the thermobaric weapon was used in Afghanistan. Thermobaric weapons are modified fuelair explosives that are used to kill people sheltered in cave and bunker complexes. Sega explained the thermobaric weapons program was identified for acceleration Friday, Sept. 21. A flight test occurred Friday, Dec. 14, and the weapon was certified for use a few days later.

"This illustrates a couple of points," he said. "Technology transition can and should occur rapidly, and that collaboration among agencies and services is the way to go."

It's also important to "revitalize laboratories, in terms of people and infrastructure," he said. "The people part is very important. Without the people, there isn't innovation, and that's our future."

In October, DoD's Technical Support Working Group asked the public for ideas on how best to fight terrorism. The department received more than 12,500 submissions in two months. Team members have sorted through about three-quarters of those so far, he said.

He said DoD's challenge now is sorting through those ideas, taking the ones that show promise and translating them into "things that actually work to save lives or destroy the enemy."

Increasing funding to the Quick Reaction Special Project Fund would allow promising submissions to be brought to fruition sooner. "A quick-reaction type of approach would favor those that have the innovation and the speed ... to react, and that tends to be the smaller businesses," Sega said.

"If we could identify the right things, we can save a lot of money, save a lot of time, save a lot of lives, and bring security to the American people, which they are really very much longing for," he added.

The Rand Corp. is working on a report that will inventory programs and activities in each federal agency that relate to terrorism, another DoD official said at the hearing. John Marburger, director of DoD's



Ronald Sega, director of defense research and engineering, said the DoD reaches across the services and to universities and businesses for technology support.

John Marburger, diriector of DoD's Office of Science and Technology Policy, said a report

John Marburger, diriector of DoD's Office of Science and Technology Policy, said a report underway will inventory programs and activities in each federal agency that are related to terrorism.

Office of Science and Technology Policy, said the report will "enable us to identify overlaps and gaps in our coverage."

Sega showed the committee members examples of three innovations the Combating Terrorism Technology Task Force has been working on that have uses in Afghanistan. The first is a device that converts pictures taken by aerial vehicles into three-dimensional images displayed on a device looks like a hand-held pocket computer. Sega said it can be used by service members to understand the terrain around them.

Another device Sega demonstrated for the senators is a translator that converts commonly used phrases into Pashtu, Urdu and Dari, the common languages used in Afghanistan. He said the first of the devices were delivered to U.S. forces in Afghanistan earlier this week.

The third device Sega demonstrated is also being used in Afghanistan. It is a pen-sized device that contains a disinfectant to make water suitable for drinking in 15 minutes. He said one of these "disinfectant pens" can be used to treat up to 300 canteens full of water.

DoD is also working closely with other federal agencies to "ensure a well-coordinated response to terrorist threats," said Dale Klein, assistant to the secretary of defense for nuclear, chemical and biological defense programs.

"We will continue to work closely with other agencies to ensure that the warfighter is protected with the best available technologies," he said, "and that U.S. citizens are provided as great a degree of protection as possible."



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Calendar of Events

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for compliance. Pre award audits, BAFO's and award protests will be discussed. Applicability of the False Claims Act will be covered including exercises, examples, and case studies.

Intelligent Transportation Systems Technology Security Summit

Tuesday, May 28 - Wednesday, May 29

Concord, Calif.

For more information, visit

www.caats.org/events/Techsumm02/Welcome.htm.

Using resources from the Intelligent Transportation Systems (ITS) industry, the ITS Security Technology Summit will provide an understanding of current and future security issues facing regional, state and federal multi-modal surface transportation systems.

JUNE

Cutting-Edge High Tech Crime Fighting: Best Practices in Computer Forensics

Monday, June 17 – Tuesday, June 18

The American Management Association

Washington, D.C.

For more information, visit www.frallc.com.

Faculty — Scott Charney, Abigail Abraham, Glenn Lewis, Amber Schroader, and more — will teach you how to find, collect and preserve digital evidence, as well as present the evidence in court.

Homeland Defense: Grant Opportunities

Thursday, June 18

NRECA Conference Center

Arlington, Va.

For more information, visit www.marketaccess.org

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Key Considerations in Developing an Effective Emergency Response Training Program

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their overall performance and set goals for improvement.

- 7. After conducting a scenario-based simulation exercise, organizations should take the lessons learned and apply them to their ongoing field exercises.
- 8. Refresher training is essential, and some of it can be done on participants' own time using advanced distributed learning technologies.
- 9. Besides meeting the nation's current homeland defense requirements, emergency response training can improve participants' critical decision-making skills during other crisis scenarios like radiological accidents/incidents and natural disasters.

Much of the nation's existing emergency response education and training is gradually transitioning from traditional linear classroom instruction to more interactive, asynchronous, delivery strategies.

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- INFORMATION SYSTEMS SHARING/DATA MINING

- Logistics
- Medical/Health
- Mobile and Wireless
- Personal Protective Equipment (PPE)
- PHYSICAL SECURITY
- RESEARCH AND DEVELOPMENT
- Telecommunications/Networking
- Transportation Security

Special interest is also directed at experts with agency knowledge as it relates to Homeland Defense at the following agencies:

- AGRICULTURE
- Coast Guard
- DEPARTMENT OF DEFENSE
- ENERGY
- EPA
- FEMA
- GSA PUBLIC BUILDINGS AND FEDERAL PROTECTIVE SERVICE
- 2HH
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Soaring Demand for Secure Data Centers, Contracting Opportunities

By Peter R Warner For Homeland Defense Journal

Demand for top-end "business continuity" computer hardware and software, the fortified backup data centers that house them, and related contracting opportunities is soaring, according to several experts. In the wake of September 11, numerous government and corporate clients have expressed interest in locating backup data centers remotely to protect vital data in case of terrorist attack.

"Now we're seeing a very huge demand by the government sector," said Leo Colborne, vice president of global technical support for EMC Corp., a storage-based data replication company based in Hopkinton, Mass. He compares the upsurge in overall demand to an upward-sloping hockey stick, "which will continue to go upward as we go forward ... driven not only by government clients, not only by our firm's traditional base of the 'Global 2000' largest corporations,

but by the broader mid-range enterprise market, as well."

While designing and planning data centers to meet precise customer specifications requires considerable specialized expertise, Colborne noted that construction of the data center would create opportunities for general and electrical subcontractors. Any one computer hardware and software planning and installation contract could run from a minimum in the \$20,000 range (for base software alone) up to many multiple millions of dollars, he said.

In an *InformationWeek* magazine/ PricewaterhouseCoopers survey of 250 senior information technology and disaster recovery executives, 60 percent of the respondents said they and their colleagues are assessing all aspects of IT disaster preparedness. Fifty-five percent said they are evaluating computer infrastructure for high redundancy, and more than 45 percent said they are considering investing in a new or betterequipped backup data center. More than a



Retired Army Maj. Gen. Bob Nabors, senior vice president of federal government and homeland security-related sales at EDS, said demand for secure data centers robust.

quarter said their company's emergency business continuity plan had been put into action over the past 12 months, and more than two-thirds said that this was in response to a "severe or extremely severe" crisis.

Many of EMC's financial services industry clients were hard hit during the World Trade Center disaster. The data storage firm had an emergency command center set up on site within 30 minutes of the airplane strikes, Colborne said.

Retired Army Maj. Gen. Bob Nabors, senior vice president of federal government and homeland security-related sales at systems integration and services giant EDS, said demand for cyber-secure and fortified data centers is "robust" and accelerating. This is particularly true for remote secondary sites, he said.

Colborne suggested contractors looking for data center-related opportunities, visit EMC's Web site www.emc.com to review the hundreds of channel and regional business partners listed. Nabors recommended contacting his colleague Gary Yenser at (703)736-8591.

Peter R. Warner is the owner of Warner Communications LLC, Rockville, Md. He may be reached at: prwarner-journalist@erols.com.



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Sponsored by: **Homeland Defense Journal,** INPUT, Department of Transportation TASC, Wireless Communications Association International, Disaster Recovery Institute International, Stateside Associates, Contingency Planning & Management Magazine, Grants Office

This conference provides a forum for contractors and state and local entities to learn about federal grants for homeland defense and to meet the agency executives who will set up and administer these funded grant programs. State and local emergency management agencies and federal grants executives have the opportunity to meet and discuss areas of common interest. Vendors who provide products and services supported by federal grants should attend to learn more about the process and meet with potential clients.

The Homeland Security 2002 Conference

Tuesday, June 25 – Wednesday, June 26

Renaissance Hotel

Washington, D.C.

For more information, visit www.e-gov.com/hls2002

The conference will focus on the evolving infrastructure for national homeland defense, including the current technologies and emerging strategies for improved communications, information assurance, and ongoing homeland security applications. The two-day event features three keynotes, including former New York City Mayor Rudolph Giuliani, 12 conference sessions, and admission to the E-Gov 2002 Exposition, featuring the Homeland Security Pavilion.

SEPTEMBER

2002 Homeland Security and National Defense Symposium

Monday, Sept. 9 - Friday, Sept. 13

Atlantic City, N.J.

Sponsored by the Fort Monmouth Chapters of Armed Forces Communications Association (AFCEA), Association of Old Crows (AOC)

and Association of the United States Army (AUSA)

For more information contact Frederick W. Eisele at (407) 310-3556 or send an e-mail to fred213@msn.com.

This symposium will present ongoing or planning-stage initiatives at Fort Monmouth to provide information technology and communication packages that are ready to be flown to any part of the northeast whenever needed by FEMA, the Governor or the National Guard. Other sessions will investigate the roles of agencies in homeland security and the military efforts to combat terrorism. The subject of providing logistics support to military, paramilitary and national law forces also will be examined.

NOVEMBER

Tips and Tools Training Session

Thursday, Nov. 7 NRECA Conference Center 4301 Wilson Blvd. Arlington, Va.

Submit you events by sending a short description, less than 75 words, to events@homelanddefensejournal.com. Listings will run as space permits. To guarantee placement, contact Lisa Wilson at lwilson@homelanddefensejournal.com.

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State Security Initiatives Report Compiled by Stateside Associates

Across the country, state governments are addressing homeland security. **Stateside Associates,** a national state and local government relations management firm based in Arlington, Va., compiled this roundup of recent state legislation and state executive actions aimed at combating terrorism.

States	Issues	
Alabama	HJR 26 creates a joint interim legislative task force on homeland security	
	HJR 51 requests federal financial assistance for local health units	
Alaska	HB 325 authorizes the governor to exercise emergency civil defense powers in the event of a terrorist attack or a credible threat of a terrorist attack on the state	
Arizona	HB 2648 prohibits price gouging for emergency goods or services, emergency supplies, medical supplies, house heating oil, building materials, lodging, transportation, freight, storage services, gasoline or other motor fuels.	
Arkansas	The Department of Emergency Management committed to hold at least one meeting in each of the state's 75 counties as part of its Communities Activated for Leadership Mobilization (CALM) program.	
California	AB 1763 designates the State Department of Health Services, a local governmental agency that has principle responsibility to protect the public's health and any person designated by the department or local governmental agency, as public health authorities to ascertain the existence of cases of any illness or health condition that may be the cause of a public health emergency AB 1778 requires that water treatment plants conduct an investigation into the background of applicants for employment to determine whether they are a threat to the security of the plant or present a risk of tampering with the plant.	
Colorado	HB 1283 adds chemical, biological and radiological weapons to the statute addressing explosives	
Connecticut	HB 5157 expands programs that provide medical response to disaster situations	
	HB 5161 provides funding to establish and implement a standard response for all statewide emergencies	
Delaware	HB 375 creates three new offenses related to terrorism	
Florida	SB 384 expresses legislative intent to revise laws relating to state security and anti-terrorism	
	SB 438 expresses legislative intent to enact legislation concerning piracy of transportation	
Georgia	SB 330 creates the Transportation Security Act of 2002, giving the same powers to police located at airports as those located elsewhere	
Hawaii	No new action reported	
Idaho	SB 1357 amends existing law to prohibit a person from taking advantage of a declared state of emergency or disaster by selling or offering to sell fuel, food, medicine or another necessity at an exorbitant or excessive price.	
Illinois	HB 3696 requires governor to deploy National Guard units to guard and protect nuclear power plants within the state	
Indiana	HB 1031 is an antiterrorism package	
Iowa	HF 2602 requires study of airport security measures	
Kansas	HB 2629 requires fingerprinting and background checks on certain employees within the Information Technology division of the Department of Administration	
Kentucky	No new action reported	
Louisiana	No new action reported	
Maine	LD 2079 clarifies the Law Enforcement Authority of Capitol Security Personnel LD 2160 amends the Maine Criminal Code to Address Terrorism	
Maryland	HB 303 is the governor's emergency powers	
,	HB 305 is the Maryland Security Council	
Massachusetts	No new action reported	
	SB 947 requires hospitals to establish biohazard detection and response plans	

Around The States

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States	Issues	
Minnesota	HF 2569 appropriates money for grants to local law enforcement agencies to recoup costs incurred from the patrol	
	and/or guarding of nuclear power plants	
Mississippi	SB 2043 provides for increase in income tax exemption for National Guard and Reserve pay	
Missouri	SB 854 adds an exemption to Sunshine Law, allowing closure of meetings and records directly and indirectly related to	
. 11550a. 1	terrorism readiness information	
Montana	No new action reported	
Nebraska	They are considering a request from governor for \$6.5 million to increase capital security	
	LB 1076 requires criminal history record checks for applicants for certain licenses	
Nevada	The state's Emergency Operation Center has been on 24-7 activation since Sept. 11	
	New Hampshire HB 285 is relative to the adoption of a state building code for security	
	HB 1145 requires metal detectors in the statehouse and legislative office buildings	
New Jersey	AB 792 is a supplemental appropriation of up to \$1,000,000 to DLPS for domestic terrorism preparedness.	
	AB 830 establishes New Jersey Public Health Emergency Study Commission	
New Mexico	HM 5 President's Economic Security Package	
New York	AB 9508 creates the state emergency health powers act; establishes measures to detect and track potential and exist-	
ing	public health emergencies and measures to declare a state of public emergency	
North Carolina	No new action reported	
North Dakota	No new action reported	
Ohio	HB452 creates the Commission on Electronic Security System Regulation in the Department of Commerce; licenses	
	electronic security system companies and their employees who perform electronic security system services; certifies	
	electronic security system training programs and their instructors	
Oklahoma	HB 2281 relates to homeland security.	
	SB 822 creates Anti-Terrorism Act, defines terms and creates penalties for crimes of bio-terrorism, terrorism hoax and	
	manufacturing substance with intent of committing terrorist activity	
Oregon	No new action reported	
Pennsylvania	HB 2047 provides for preparation for biological and chemical attacks	
	HB 2061 provides for government response in case of public health emergency	
Rhode Island	HB 7449 provides that information and records regarding publicly owned or operated biological, nuclear, incendiary,	
	chemical or explosive facilities not be deemed public	
South Carolina	No new action reported	
South Dakota	SB 19 creates the crime of communicating a terrorist threat or hoax terrorist threat	
Tennessee	SB 2800 / HB 2661 provides that contingency plans prepared by governmental entities and law enforcement to respond	
	to or prevent terrorist incidents, bomb threats, or other acts of violence or threats involving weapons of mass destruction are	
-	confidential and not open for public inspection	
Texas	No new action reported	
Utah	No new action reported	
Vermont	No new action reported	
Virginia	HB 46 relates to school crisis and emergency management plans	
Washington	HB 2853 requires the emergency management council to work with public and private entities to assess the level vul	
West Virginia	nerability of various critical infrastructures	
	HB 604 extends the allowed leave of absence for public officials and employees in the National Guard or reserve units	
\ \ /:	from 30 days to 60 days	
Wisconsin	AB 552 provides regional emergency response team requirements	
Wyomina	AB 849 provides a public health authority with expanded powers during such an emergency	
Wyoming	No new action reported	

Homeland Defense Business Opportunities

By Kelly Kingsley Homeland Defense Journal

Homeland Defense Journal tapped into the database of its partner, Market*Access International, to compile this list of homeland defense opportunities and recent contract awards.

Project: Guard Services

Department: Department of Transportation **Agency:** United States Coast Guard

Summary: Armed gate-guard services at U.S. Coast Guard Integrated Support Center in Ketchikan, Alaska.

The contract covers all labor, materials and equipment necessary for the performance of armed

gate-guard services.

Schedule: RFP released Monday, April 22, 2002

Proposals due Thursday, May 16, 2002

Competition: Small Business

Contract Term: One year, four option years

Agency Contact: Marilyn VandeLoo - (510) 437-5916, mvandeloo@d11.uscq.mil

Project: Anti-Terrorism

Department: Department of the Air Force Agency: Air Combat Command

Summary: Project involves the installation of concrete piers, steel beams and cables with accessories around

Building 546, Space Wing Headquarters, on Minot Air Force Base, N.D.

Schedule: Proposals due Friday May 10, 2002

Value: \$250,000 **Competition:** Full and open

Agency Contact: David Schwaiger - (701) 723-4174, david.schwaiger@minot.af.mil

Project: Production and Testing of Vaccines Against Anthrax

Department: Department of Health and Human Services

Agency: National Institutes of Health

Summary: This solicitation is a request for proposals to develop, manufacture, characterize and evaluate a

pilot lot of B. anthracis recombinant protective antigen (rPA) vaccine and to supply the appropriate

CMC information to support use of this product as an Investigations New Drug (IND) with the FDA.

Schedule: RFP released Monday April 22, 2002

Responses due Thursday, June 6, 2002

Agency Contact: Thomas Hastings - (301) 496-0194, ph23k@nih.gov

Agency Web Site: www.niaid.nih.gov/contract/

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Let us know about your company's recent contract awards. Send contract award announcements to wins@homelanddefensejournal.com.

Homeland Defense Business Opportunities

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Project: Chemical and Biological Defense Assessments

Department: Department of the Air Force Agency: Department of the Air Force Materiel Command

Summary: Air Force Research Laboratory, Human Effectiveness Directorate, Deployment and Sustainment

Division solicits research proposals for the Joint Services and Air Force Chemical and Biological Defense Assessments, Modeling and Development effort. This effort is needed to advance Chemical and Biological Warfare Defense science and technology to provide an effective defense against any

adversary employing weapons of mass destruction.

Schedule: Responses due Thursday, May 23, 2002

Agency Contact: Gerema Randall - (937) 656-9041, Gerema.Randall@wpafb.af.mil

Project: Nuclear Explosion Monitoring Research and Engineering Program

Department: Department of Energy

Summary: The objective of the research sought by this ROA is to increase nuclear explosion monitoring effec-

tiveness through improved understanding of basic earthquake and explosion phenomenology.

Research of a fundamental nature is sought to answer the question of how the seismic energy is generated from these phenomena, including distributed and single point explosions, double-couple

earthquakes and other modes of rock failure.

Schedule: Solicitation released Thursday, April 4, 2002

Responses due Friday, May 24, 2002

Agency Contact: Georgia McClelland - (510) 637-1896, georgia.mcclelland@oak.doe.gov

Contracts Awarded

Project: Research in Target Vulnerability and Weapons Lethality

Department: Department of the Navy **Agency:** Naval Surface Warfare Center

Summary: Awarded to Miltec Corp., Huntsville, Ala.

Schedule: Awarded Friday, April 12, 2002

Value: \$984,295

Contract Type: Broad Agency Announcement **Agency Contact:** XDS11 Branch - (540) 653-7478 **Agency Web Site:** www.nswc.navy.mil/supply

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